

**Notice of Allowability**

Application No.

10/602,759

Examiner

Kanji Patel

Applicant(s)

FUNAMOTO, KENJI

Art Unit

2624

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/13/07.
2. ☒ The allowed claim(s) is/are 2-5,7,8,10-13,15,16,18,19,21 and 22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

***Response to Amendment***

1. Applicant's amendment filed 3/13/07 has been entered and made of record.

By this amendment, claims 1, 6, 9, 14, 17 and 20 are cancelled. Claims 2-5, 7-8, 10-13, 15-16, 18-19 and 21-22 are pending in the application.

In response to applicant's cancellation of claims 1, 6, 9, 14, 17, 20 and rewritten of claims 4-5, 7, 12-13, 15-16, 18-19 and 21 in independent form by including the allowable subject matters, the art rejections and objections to these claims have been withdrawn. Furthermore, the objection to dependent claims 2 and 10 is also withdrawn.

In response to applicant's amendment and persuasive arguments (see pages 13-16 of the remarks filed 3/13/07), with respect to the rejection of claims 3, 8, 11, 16 and 22 under 35 USC 102(e) and 103(a), the rejections of claims 3, 8, 11, 16 and 22 have been withdrawn.

***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance:

**Claims 2-5, 7-8, 10-13, 15-16, 18-19 and 21-22** (renumbered as 3, 1-2, 4-6, 9, 7-8, 10-16, respectively) are allowed.

In response to applicant's rewritten of claims 4-5, 7, 12-13, 15-16, 18-19 and 21 in independent form by including the allowable subject matters set forth in paragraph 5 of the last Office action mailed 12/13/06, the objections to these claims have been withdrawn. The prior art on record, specifically to Baron (US 6,963,365) and Japanese Patent Publication No. 11-250240 to Yasunari fail to teach or suggest, the limitations of "wherein the digital image data which is uncorrected in the first step and the second

Art Unit: 2624

step is respectively corrected in the first step and the second step, and the digital image data which has been corrected in the first step is synthesized with the digital image data which has been corrected in the second step, so that the optical distortion is corrected" as recited in claims 3 and 11. Therefore, these claims are also allowed. Furthermore, the prior art on record fails to teach or fairly suggest, the limitations of "wherein a pixel on a corrected coordinate of the corrected digital image data is interpolated with pixels around an uncorrected coordinate of the uncorrected digital image data corresponding to the corrected coordinate, so that the optical distortion component is corrected" as required by claims 8, 16 and 22 and therefore, these claims are also allowed. In short, all the pending claims 2-5, 7-8, 10-13, 15-16, 18-19 and 21-22 (renumbered as 3, 1-2, 4-6, 9, 7-8, 10-16, respectively) are allowed now.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Art Unit: 2624

**Contact Information**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kanji Patel whose telephone number is (571) 272-7454. The examiner can normally be reached on Monday to Thursday from 8 a.m. to 6:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lillis Eileen can be reached on (571) 272-6928 The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kanji Patel  
Art Unit 2624  
4/5/07

  
KANJIBHAI PATEL  
PRIMARY EXAMINER